

Substitute Form PTO-1449  
(Modified)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
09010-029005Application No.  
09/580,515

SEP 13 2002

**SUPPLEMENTAL  
Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant  
Jay M. Short et al.Filing Date  
May 25, 2000Group Art Unit  
1652

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**U.S. Patent Documents**

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date if Appropriate
DR	AAA	<del>5,366,736</del>	<del>11/22/1994</del>	<del>Edwards, Jr.</del>	already considered		
	AAD	<del>5,436,156</del>	<del>7/25/1995</del>	<del>Van Gorcom et al.</del>			
	AAC	<del>5,830,696</del>	<del>11/3/1998</del>	<del>Short</del>			
	AAD	<del>5,939,105</del>	<del>8/17/1999</del>	<del>Cheng et al.</del>			
DR	AAE	<del>6,190,897 B1</del>	<del>2/20/2001</del>	<del>Kretz</del>	↓		
	AAF						

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AAG	0 282 042 B1	6/8/1994	Europe			Abstract only	
	AAH							

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
DR	AAI	Henrik Brinch-Pedersen, Annette Olesen, Soren K. Rasmussen & Preben B. Holm, "Generation of Transgenic Wheat ( <i>Triticum aestivum</i> L.) for Constitutive Accumulation of an <i>Aspergillus</i> Phytase", 2000, <i>Molecular Breeding</i> , pp. 195-206 already considered
	AAJ	J. Dvorakova, "Phytase: Sources, Preparation and Exploitation", 1998, <i>Folia Microbiol.</i> , Vol. 43(4), pp. 323-338 already considered
	AAK	Loff Giver, Anne Gershenson, Per-Ola Freskgard, and Frances H. Arnold, "Directed Evolution of a Thermostable Esterase", October, 1998, <i>National Academy of Sciences</i> , Vol. 95, pp. 12809-12813 already considered
	AAL	R. Greiner, U. Konietzny, and K. D. Jany, "Purification and Characterization of Two Phytases from <i>Escherichia coli</i> ", May 15, 1993, <i>Archives of Biochemistry and Biophysics</i> , Vol. 303, No. 1, pp. 107-113 already considered
	AAM	M. Lehmann, I. Pasamontes, S. F. Lassen, M. Wyss, "The Consensus Concept for Thermostability Engineering of Proteins", 2000, <i>Biochimica et Biophysica Acta</i> , Vol. 1543, pp. 408-415 already considered
	AAN	Lutz Jermutus, Michel Tessier, Luis Pasamontes, Adolphus P.G.M. van Loon, and Martin Lehmann, "Structure-based Chimeric Enzymes as an Alternative to Directed Enzyme Evolution: Phytase as a Test Case", 2001, <i>Journal of Biotechnology</i> Vol. 85, pp. 15-24 already considered
DR	AAO	Andra Fomschy, Michel Tessier, Markus Wyss, Roland Brugger, Clemens Broger, Line Schmoebelen, Adolphus P.G.M. van Loon, and Luis Pasamontes, "Optimization of the Catalytic Properties of <i>Aspergillus fumigatus</i> Phytase Based on the Three-dimensional Structure", 2000, <i>Protein Science</i> , pp. 1304-1311 already considered

already considered

already considered

Examiner Signature

Date Considered

5/11/04

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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**Other Documents (include Author, Title, Date, and Place of Publication)**

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DR	AAP	<del>Costantino Vetrani, Dennis L. Macder, Nicola tolliday, Kitty S.-P. Yip, Timothy J. Stillman, K. Linda Britton, David W. Rice, Horst H. Klump, and Frank T. Robb, "Protein Thermostability Above 100°C: A Key Role for Ionic Interactions", October, 1998, National Academy of Sciences, Vol. 95, pp. 12300-12305</del> already considered
DR	AAQ	<del>Markus Wyss, Roland Brugger, Alexandra Kronenberger, Roland Remy, Rachel Fimbel, Gottfried Oesterhelt, Martin Lehmann, and Adolphus P.G.M. van Loon, February, 1999, Applied and Environmental Microbiology, Vol. 65, No. 2, pp. 367-373</del> Already Considered
DR	AAR	<del>Database accession No. AK130956</del> already considered
DR	AAS	Database accession No. AAX26540, 2000
DR	AAT	<del>Database accession No. B07102</del> already considered

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Substitute Form PTO-1449  
(Modified)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
09010-029006Application No.  
09/866,379**Information Disclosure Statement  
by Applicant**

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(37 CFR §1.98(b))

Applicant  
Short, et al.Filing Date  
May 24, 2001Group Art Unit  
1652**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

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**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
Dr	AQ	Golovan et al., Characterization and overproduction of the <i>Escherichia coli</i> <i>appA</i> encoded bifunctional enzyme that exhibits both phytase and acid phosphatase activities", <u>Canadian Journal of Microbiology</u> , Vol. 46, No. 1, pp. 59-71, January, 2000
	AR	
	AS	
	AT	

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